

10/528846  
JC06 Rec'd /PTG 23 MAR 2005

Express Mail No. ER 366218001 US

Docket No. 21414 US C038435/0186340

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE ACTING AS  
DESIGNATED/ELECTED OFFICE (DO/EO/US) UNDER THE PATENT  
COOPERATION TREATY CONCERNING A FILING UNDER 35 U.S.C. §371

*In re* Application of: )  
Tatsuo HOSHINO *et al.* )  
Based on Int'l Application No.: PCT/EP2003/010294 ) Examiner: Not yet assigned  
International Filing Date: 16 September 2003 ) Art Unit: Not yet assigned  
Filed: Herewith )  
For: **PRODUCTION OF CANTHAXANTHIN BY PHAFFIA** )

New York, NY  
March 23, 2005

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicants wish to make of record the following documents (clean copies and a Form PTO-1449 listing the documents are enclosed). The following documents were cited in the International Search Report, mailed March 1, 2004 in the International application corresponding to the above-captioned case.

### **U.S. PATENT DOCUMENTS**

	<b><u>Document No.</u></b>	<b><u>Date</u></b>
A1	6,291,204	9/18/2001
A2	6,365,386	4/2/2002

### **FOREIGN PATENT DOCUMENTS**

	<b><u>Document No.</u></b>	<b><u>Date</u></b>	<b><u>Country</u></b>
B1	1 111 067 A2	6/27/2001	Europe

### **OTHER DOCUMENTS**

C1 Misawa, N. *et al.*, "Canthaxanthin Biosynthesis By The Conversion Of Methylene To Keto Groups In A Hydrocarbon  $\beta$ -Carotene By A Single Gene," Biochemical And Biophysical Research Communications., vol. 209, no. 3, pp. 867-876 (1995).

The Examiner's independent consideration of all of these documents and their relevance before issuance of the first official action is respectfully requested. The Examiner is also requested to initial and return a copy of the accompanying form PTO-1449 to evidence such consideration.

Copies of the International Search Report and International Preliminary Examination Report are included herewith. All documents cited in these reports are identified herein and copies of all documents other than U.S. Patent Documents are provided. See MPEP § 609(III)(A)(2)(A) (8<sup>th</sup> Ed., Rev. 2, May 2004, p. 600-128); See also 1276 OG 55 (August 5, 2003) (Waiving the requirement under Rule 98(a)(2)(1) to provide a copy of each cited U.S. patent document for any application filed after June 30, 2003.).

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This Information Disclosure Statement is being filed in accordance with the provisions under 37 C.F.R. §1.97(b)(2), within three months of the date of entry of the national stage of the international application. Accordingly, no fee is believed to be due. If, however, a fee is due, please charge the same to Deposit Account No. 02-4467. A duplicate copy of this sheet is enclosed.

If the Examiner has any questions regarding this paper, please contact the undersigned attorney.

Respectfully submitted,

By: Charles M. Avigliano  
Charles M. Avigliano  
Registration No. 52,578  
BRYAN CAVE LLP  
1290 Avenue of the Americas  
New York, NY 10104  
Phone: (212) 541-2000  
Fax: (212) 541-4630

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1290 Avenue of the Americas  
New York, NY 10104  
Phone: (212) 541-2000  
Fax: (212) 541-4630

Form PTO-1449 (Rev. )	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 21414 US C038435/0186340	INTERNATIONAL APPLN. NO. <b>10/528846</b> PCT/JP 2003/019299
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)		APPLICANT Tatsuo HOSHINO <i>et al.</i>	
		INTERNATIONAL FILING DATE September 16, 2003	GROUP Not yet assigned

## U.S. PATENT DOCUMENTS

Examiner Initial	Cite No.	U.S. Patent Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	A1	6,291,204	9/18/2001	Pasamontes <i>et al.</i>			
	A2	6,365,386	4/2/2002	Hoshino <i>et al.</i>			

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	B1	EP 1 111 067 A2	6/27/2001	Europe				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	C1	Misawa, N. <i>et al.</i> , "Canthaxanthin Biosynthesis By The Conversion Of Methylene To Keto Groups In A Hydrocarbon $\beta$ -Carotene By A Single Gene," <u>Biochemical And Biophysical Research Communications</u> , vol. 209, no. 3, pp. 867-876 (1995).
EXAMINER		DATE CONSIDERED
Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		